

CLAIMS

1. A seal, comprising:
- a) a mounting ring;
 - b) a seal ring attached to said mounting ring, said seal ring comprising a contact surface, said contact surface comprising i) an inner peripheral edge, ii) an outer peripheral edge, and iii) textured features, wherein said textured features are positioned interior to said outer peripheral edge.
2. The seal of Claim 1, wherein said textured features are selected from the group consisting of protrusions and indentations.
3. The seal of Claim 2, wherein said textured features are protrusions having recesses.
4. The seal of Claim 2, wherein said textured features are protrusions having cylindrical shape.
5. The seal of Claim 2, wherein said textured features are protrusions and each protrusion is of an identical shape.
6. The seal of Claim 2, wherein the spacing of each of said textured features is equidistant.
7. The seal of Claim 2, wherein said textured features are of unitary construction.
8. The seal of Claim 2, wherein said textured features are formed by integrally molding elastomeric material.
9. The seal of Claim 1, wherein said outer peripheral edge is curved.

10. The seal of Claim 1, wherein said outer peripheral edge is substantially straight.

11. The seal of Claim 1, wherein said outer peripheral edge is raised.

12. An seal, comprising:

a) a mounting ring;

b) a seal ring attached to said mounting ring, said seal ring comprising a contact surface, said contact surface comprising i) an inner peripheral edge, ii) a raised outer peripheral edge, and iii) textured features, wherein said textured features are position interior to said outer peripheral edge.

13. The seal of Claim 12, wherein said textured features are selected from the group consisting of protrusions and indentations.

14. The seal of Claim 13, wherein said textured features are protrusions having recesses.

15. The seal of Claim 13, wherein said textured features are protrusions having cylindrical shape.

16. The seal of Claim 13, wherein said textured features are protrusions and each protrusion is of an identical shape.

17. The seal of Claim 13, wherein the spacing of each of said textured features is equidistant.

18. The seal of Claim 13, wherein said textured features are of unitary construction.

19. The seal of Claim 13, wherein said textured features are formed by integrally molding elastomeric material.

20. The seal of Claim 12, wherein said outer peripheral edge is curved.

21. The seal of Claim 12, wherein said outer peripheral edge is substantially straight.

Sub C3 > 22. A seal assembly, comprising:

a) a first surface, said first surface comprising an outer peripheral edge and textured features interior to said outer peripheral edge, wherein said textured features comprise protrusions extending outward from said first surface; and

b) a second surface in motion relative to said first surface; wherein said first surface contacts said second surface under conditions such that a seal is produced.

23. The assembly of Claim 22, wherein the motion of said second surface is linear.

24. The assembly of Claim 22, wherein the motion of said second surface is oscillating.

Para D1 >